

05/20  
05/23  
#4



OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/039,876A

DATE: 05/21/2002  
TIME: 10:05:35

Input Set : A:\97-63C1 SEQ.txt  
Output Set: N:\CRF3\05212002\J039876A.raw

ENTERED

3 <110> APPLICANT: Conklin, Darrell C.  
4 Blumberg, Hal  
8 <120> TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A  
11 <130> FILE REFERENCE: 97-63C1  
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/039,876A  
C--> 13 <141> CURRENT FILING DATE: 2001-10-26  
13 <150> PRIOR APPLICATION NUMBER: US 60/061,712  
14 <151> PRIOR FILING DATE: 1997-10-06  
16 <150> PRIOR APPLICATION NUMBER: US 09/167,513  
17 <151> PRIOR FILING DATE: 1998-10-06  
19 <160> NUMBER OF SEQ ID NOS: 28  
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 876  
25 <212> TYPE: DNA  
26 <213> ORGANISM: Homo sapiens  
28 <220> FEATURE:  
29 <221> NAME/KEY: CDS  
30 <222> LOCATION: (119)...(823)  
32 <400> SEQUENCE: 1  
33 gcccggccct gcccacacg accgctgcc gccccttgcc ttcctgaccc aggggctccg 60  
34 ctggctcggt tcgcctggga gctgcccaca gggccaggag gggagcggca cctgaaag 118  
35 atg cgc cca ttg gct ggt ggc ctg ctc aag gtg gtg ttc gtg gtc ttc 166  
36 Met Arg Pro Leu Ala Gly Gly Leu Leu Lys Val Val Phe Val Val Phe  
37 1 5 10 15  
39 gcc tcc ttg tgt gcc tgg tat tcg ggg tac ctg ctc gca gag ctc att 214  
40 Ala Ser Leu Cys Ala Trp Tyr Ser Gly Tyr Leu Leu Ala Glu Leu Ile  
41 20 25 30  
43 cca gat gca ccc ctg tcc agt gct gcc tat agc atc cgc agc atc ggg 262  
44 Pro Asp Ala Pro Leu Ser Ser Ala Ala Tyr Ser Ile Arg Ser Ile Gly  
45 35 40 45  
47 gag agg cct gtc ctc aaa gct cca gtc ccc aaa agg caa aaa tgt gac 310  
48 Glu Arg Pro Val Leu Lys Ala Pro Val Pro Lys Arg Gln Lys Cys Asp  
49 50 55 60  
51 cac tgg act ccc tgc cca tct gac acc tat gcc tac agg tta ctc agc 358  
52 His Trp Thr Pro Cys Pro Ser Asp Thr Tyr Ala Tyr Arg Leu Leu Ser  
53 65 70 75 80  
55 gga ggt ggc aga agc aag tac gcc aaa atc tgc ttt gag gat aac cta 406  
56 Gly Gly Arg Ser Lys Tyr Ala Lys Ile Cys Phe Glu Asp Asn Leu  
57 85 90 95  
59 ctt atg gga gaa cag ctg gga aat gtt gcc aga gga ata aac att gcc 454  
60 Leu Met Gly Glu Gln Leu Gly Asn Val Ala Arg Gly Ile Asn Ile Ala  
61 100 105 110

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63	att gtc aac tat gta act ggg aat gtg aca gca aca cga tgt ttt gat	502
64	Ile Val Asn Tyr Val Thr Gly Asn Val Thr Ala Thr Arg Cys Phe Asp	
65	115 120 125	
67	atg tat gaa ggc gat aac tct gga ccg atg aca aag ttt att cag agt	550
68	Met Tyr Glu Gly Asp Asn Ser Gly Pro Met Thr Lys Phe Ile Gln Ser	
69	130 135 140	
71	gct gct cca aaa tcc ctg ctc ttc atg gtg acc tat gac gac gga agc	598
72	Ala Ala Pro Lys Ser Leu Leu Phe Met Val Thr Tyr Asp Asp Gly Ser	
73	145 150 155 160	
75	aca aga ctg aat aac gat gcc aag aat gcc ata gaa gca ctt gga agt	646
76	Thr Arg Leu Asn Asn Asp Ala Lys Asn Ala Ile Glu Ala Leu Gly Ser	
77	165 170 175	
79	aaa gaa atc agg aac atg aaa ttc agg tct agc tgg gta ttt att gca	694
80	Lys Glu Ile Arg Asn Met Lys Phe Arg Ser Ser Trp Val Phe Ile Ala	
81	180 185 190	
83	gca aaa ggc ttg gaa ctc cct tcc gaa att cag aga gaa aag atc aac	742
84	Ala Lys Gly Leu Glu Leu Pro Ser Glu Ile Gln Arg Glu Lys Ile Asn	
85	195 200 205	
87	cac tct gat gct aag aac aac aga tat tct ggc tgg cct gca gag atc	790
88	His Ser Asp Ala Lys Asn Arg Tyr Ser Gly Trp Pro Ala Glu Ile	
89	210 215 220	
91	cag ata gaa ggc tgc ata ccc aaa gaa cga agc tgacactgca gggccctgag	843
92	Gln Ile Glu Gly Cys Ile Pro Lys Glu Arg Ser	
93	225 230 235	
95	taaatgtt ctgtataaac aaatgcagct gga	876
97	<210> SEQ ID NO: 2	
98	<211> LENGTH: 235	
99	<212> TYPE: PRT	
100	<213> ORGANISM: Homo sapiens	
102	<400> SEQUENCE: 2	
103	Met Arg Pro Leu Ala Gly Gly Leu Leu Lys Val Val Phe Val Val Phe	
104	1 5 10 15	
105	Ala Ser Leu Cys Ala Trp Tyr Ser Gly Tyr Leu Leu Ala Glu Leu Ile	
106	20 25 30	
107	Pro Asp Ala Pro Leu Ser Ser Ala Ala Tyr Ser Ile Arg Ser Ile Gly	
108	35 40 45	
109	Glu Arg Pro Val Leu Lys Ala Pro Val Pro Lys Arg Gln Lys Cys Asp	
110	50 55 60	
111	His Trp Thr Pro Cys Pro Ser Asp Thr Tyr Ala Tyr Arg Leu Leu Ser	
112	65 70 75 80	
113	Gly Gly Gly Arg Ser Lys Tyr Ala Lys Ile Cys Phe Glu Asp Asn Leu	
114	85 90 95	
115	Leu Met Gly Glu Gln Leu Gly Asn Val Ala Arg Gly Ile Asn Ile Ala	
116	100 105 110	
117	Ile Val Asn Tyr Val Thr Gly Asn Val Thr Ala Thr Arg Cys Phe Asp	
118	115 120 125	
119	Met Tyr Glu Gly Asp Asn Ser Gly Pro Met Thr Lys Phe Ile Gln Ser	
120	130 135 140	
121	Ala Ala Pro Lys Ser Leu Leu Phe Met Val Thr Tyr Asp Asp Gly Ser	

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/039,876A

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Input Set : A:\97-63C1 SEQ.txt

Output Set: N:\CRF3\05212002\J039876A.raw

122 145                150                155                160  
123 Thr Arg Leu Asn Asn Asp Ala Lys Asn Ala Ile Glu Ala Leu Gly Ser  
124                165                170                175  
125 Lys Glu Ile Arg Asn Met Lys Phe Arg Ser Ser Trp Val Phe Ile Ala  
126                180                185                190  
127 Ala Lys Gly Leu Glu Leu Pro Ser Glu Ile Gln Arg Glu Lys Ile Asn  
128                195                200                205  
129 His Ser Asp Ala Lys Asn Asn Arg Tyr Ser Gly Trp Pro Ala Glu Ile  
130                210                215                220  
131 Gln Ile Glu Gly Cys Ile Pro Lys Glu Arg Ser  
132                225                230                235  
134 <210> SEQ ID NO: 3  
135 <211> LENGTH: 3  
136 <212> TYPE: PRT  
137 <213> ORGANISM: Artificial Sequence  
139 <220> FEATURE:  
140 <223> OTHER INFORMATION: Motif 1, corresponding to residues 127 to 129 of  
141        SEQ ID NO:2  
143 <400> SEQUENCE: 3  
144 Phe Asp Met  
145        1  
147 <210> SEQ ID NO: 4  
148 <211> LENGTH: 3  
149 <212> TYPE: PRT  
150 <213> ORGANISM: Artificial Sequence  
152 <220> FEATURE:  
153 <223> OTHER INFORMATION: Motif 2, corresponding to residues 156 to 158 of  
154        SEQ ID NO:2  
156 <400> SEQUENCE: 4  
157 Tyr Asp Asp  
158        1  
160 <210> SEQ ID NO: 5  
161 <211> LENGTH: 3  
162 <212> TYPE: PRT  
163 <213> ORGANISM: Artificial Sequence  
165 <220> FEATURE:  
166 <223> OTHER INFORMATION: Motif 3, corresponding to residues 174 to 176 of  
167        SEQ ID NO:2  
169 <400> SEQUENCE: 5  
170 Leu Gly Ser  
171        1  
173 <210> SEQ ID NO: 6  
174 <211> LENGTH: 3  
175 <212> TYPE: PRT  
176 <213> ORGANISM: Artificial Sequence  
178 <220> FEATURE:  
179 <223> OTHER INFORMATION: Motif 4, corresponding to residues 188 to 190 of  
180        SEQ ID NO:2  
182 <400> SEQUENCE: 6

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Input Set : A:\97-63C1 SEQ.txt  
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183 Trp Val Phe
184 1
186 <210> SEQ ID NO: 7
187 <211> LENGTH: 3
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Motif 5, corresponding to residues 227 to 229 of
193     SEQ ID NO:2
195 <400> SEQUENCE: 7
196 Glu Gly Cys
197 1
199 <210> SEQ ID NO: 8
200 <211> LENGTH: 705
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: z219a Degenerate polynucleotide sequence
W--> 207 <221> NAME/KEY: variation
208 <222> LOCATION: (1)...(705)
209 <223> OTHER INFORMATION: N is any nucleotide
W--> 211 <221> misc_feature
212 <222> LOCATION: (1)...(705)
213 <223> OTHER INFORMATION: n = A,T,C or G
W--> 215 <400> 8
W--> 216 atgmgncnhy tngcngggngg nytnytnaar gtngtnttygc nwsnytntgy 60
W--> 217 gcntggayw snggnctayyt nytngcngar ytnathccng aygcncnnyt nwsnwsngcn 120
W--> 218 gcntaywsna thmgmnwsnat hggngarmgn ccngtntytna argcncnct nccnaarmgn 180
W--> 219 caraartgyg aycaytggac nccntgyccn wsngayacnt aygcntaymg nytnytnwsn 240
W--> 220 ggngnggnm gnwsnaarta ygcnaarath tgytptygarg ayaaytnyt natggngar 300
W--> 221 carytnggna aygtngcnmg nggnathaay athgcnathg tnaaytaygt nacnggnaay 360
W--> 222 gtnacngcna cnmgntgytt ygayatgtay gaggngaya aywsngncc natgacnaar 420
W--> 223 ttyathcarw sngcngcncc naarwsnytn ynttlyatgg tnacntayga ygayggnwsn 480
W--> 224 acnmgnyntra ayaaygaygc naaraaygcn athgargcny tnggnwsnaa rgarathmgn 540
W--> 225 aayatgaart tymgnwsnws ntgggtntty athgcngcna arggnytnga rytnccnwsn 600
W--> 226 garathcarm gngaraarat haaycaywsn gaygcnara ayaaymgnta ywsnggntgg 660
W--> 227 ccngcngara thcarathga rggntgyath ccnaargarm gnwsn 705
229 <210> SEQ ID NO: 9
230 <211> LENGTH: 19
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Oligonucleotide primer ZC695
237 <400> SEQUENCE: 9
238 gatttaggtg acactatag 19
240 <210> SEQ ID NO: 10
241 <211> LENGTH: 26
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 05/21/2002  
PATENT APPLICATION: US/10/039,876A                    TIME: 10:05:36

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. 6,9,12,15,18,21,24,27,33,36,42,45,51,54,57,63,72,75,81,84,87  
Seq#:8; N Pos. 93,99,105,108,111,114,117,120,123,129,135,138,144,150,153  
Seq#:8; N Pos. 156,159,165,168,171,174,180,201,204,210,213,219,225,231,234  
Seq#:8; N Pos. 237,240,243,246,249,252,255,264,288,291,297,306,309,315,318  
Seq#:8; N Pos. 321,324,336,342,351,354,357,363,366,369,372,375,396,405,408  
Seq#:8; N Pos. 411,417,432,435,438,441,447,450,453,462,465,477,480,483,486  
Seq#:8; N Pos. 489,501,510,519,522,525,528,540,555,558,561,567,576,579,585  
Seq#:8; N Pos. 588,594,597,600,612,630,636,648,654,657,663,666,684,693,702  
Seq#:8; N Pos. 705



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No.	Doccode	Number of pages
1	ECBOX	1

Total number of pages: 1

Remarks:

Order of re-scan issued on .....